



AUG 04 2003

SHEET 1 OF 7

## FORM PTO-1449

INFORMATION DISCLOSURE  
CITATION IN AN APPLICATIONDOCKET NUMBER  
MAT 3D7APPLICATION NUMBER  
09/851,539APPLICANT  
William WillettFILING DATE  
May 7, 2001GROUP ART UNIT  
3712

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
D.S.	248,115	10/11/1881	Stearns, Jr.			RECEIVED
	3,298,130	1/17/67	Ryan			AUG 05 2003
	3,767,901	10/23/73	Black et al.			TECHNOLOGY CENTER R3700
	3,912,694	10/14/75	Chiappe et al.			
	4,107,462	8/15/78	Asija			
	4,139,968	2/20/79	Milner			
	4,177,589	12/11/79	Villa			
	4,207,704	6/17/80	Akiyama			
	4,231,184	11/4/80	Corris et al.			
D.S.	4,245,430	1/20/81	Hoyt			
D.S.	4,318,245	3/9/82	Stowell et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
D.S.	WO 87/07522	12/17/87	WIPO			XX	
D.S.	WO 96/15837	5/30/96	WIPO			XX	

## OTHER DOCUMENTS


EXAMINER

D. Schul

DATE CONSIDERED

3/29/04



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FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER MAT 3D7	APPLICATION NUMBER 09/851,539			
		APPLICANT William Willett				
		FILING DATE May 7, 2001	GROUP ART UNIT 3712			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
DG	4,516,950	5/14/85	Berman et al.			
	4,565,487	1/21/86	Kroczyński			
	4,579,540	4/1/86	Ho			
TP	4,659,919	4/21/87	Price			AUG 05 2003 TECHNOLOGY CENTER R3700
DG	4,660,033	4/21/87	Brandt			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER <i>D. Gubinow</i>	DATE CONSIDERED <i>3/29/04</i>					

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
D.G.	4,696,653	9/29/87	McKeefery	—	—	
	4,729,563	3/8/88	Yokoi	—	—	
	4,767,374	8/30/88	Yang	—	—	
	4,809,335	2/28/89	Rumsey	—	TECHNOLOGY	AUG 05 2003
	4,825,136	4/25/89	Farhat	—	—	RECEIVED CENTER R3700
	4,846,693	7/11/89	Baer	—	—	
	4,850,930	7/25/89	Sato et al.	—	—	
V	4,855,725	8/8/89	Fernandez	—	—	
D.G.	4,864,607	9/5/89	Mitamura et al.	—	—	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER	<i>D. Schol</i>		DATE CONSIDERED	<i>3/29/04</i>		



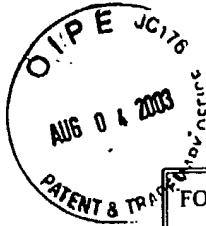
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FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER MAT 3D7	APPLICATION NUMBER 09/851,539			
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
D.G.	5,011,449	4/30/91	Handy et al.	—	RECEIVED	
	5,029,214	7/2/91	Hollander	—	AUG 05 2003	
	5,096,451	3/17/92	Smith et al.	—	TECHNOLOGY CENTER R3700	
	5,100,138	3/31/92	Wilde	—		
	5,141,464	8/25/92	Stern et al.	—		
	5,142,803	9/1/92	Lang	—		
	5,158,492	10/27/92	Rudell et al.	—		
	5,195,920	3/23/93	Collier	—		
D.G.	5,213,510	5/25/93	Freeman	—		
D.G.	5,236,385	8/17/93	May	—		
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER	D. Enkowf		DATE CONSIDERED	3/29/04		



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FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER MAT 3D7	APPLICATION NUMBER 09/851,539			
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
DG	5,239,665	8/24/93	Tsuchiya			
	5,270,480	12/14/93	Hikawa			
	5,280,265	1/18/94	Kramer et al.			
	5,413,355	5/9/95	Gonzalez			
	5,413,516	5/9/95	Lam			
	5,468,172	11/21/95	Basile			
	5,474,484	12/12/95	Lemelle			
DG	5,478,240	12/26/95	Cogliano			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER	R. Enkhol			DATE CONSIDERED	3/29/04	



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#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
DG	5,495,557	2/27/96	Hyman et al.			
	5,493,185	2/20/96	Mohr et al.			
	5,493,281	2/20/96	Owens			
	5,501,627	3/26/96	Ekstein			
	5,534,888	7/9/96	Lebby et al.			
HV	5,636,994	6/10/97	Tong			
DG	5,648,999	7/15/97	Easterling et al.			

RECEIVED  
AUG 05 2003  
TECHNOLOGY CENTER R3700

#### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO

#### OTHER DOCUMENTS


EXAMINER	DATE CONSIDERED
D. Schol	3/29/04

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
D.G.	5,655,945	8/12/97	Jani			
	5,656,907	8/12/97	Chainani et al.			
	5,682,196	10/28/97	Freeman			
	5,855,483	1/5/99	Collins et al.			
	5,873,765	2/23/99	Rifkin et al.			
	6,048,209	4/11/00	Bailey			
V	6,159,101	12/12/00	Simpson			
Dfz.	6,435,936	8/20/02	Rehkemper et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER	D. Enkhol		DATE CONSIDERED	3/29/04		